



DRiving InnoVation in crisis management for European Resilience

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What is DRIVER about



- ▶ *DRiving InnoVation in crisis management for European Resilience (DRIVER)*
 - Demo project for an improved aftermath crisis management to enhance European Resilience to a crisis situation (Not specifically a CBRN project)
 - Built on the needs and findings of *Acrimas* and *Crysis* projects, funded by the 2012 FP7 Security Call
 - Consortium 37 partners from 15 European countries
 - ~ 34 M € EU contribution, ~ 45 M € in total
 - DRIVER is due to start soon (Currently under signature process)

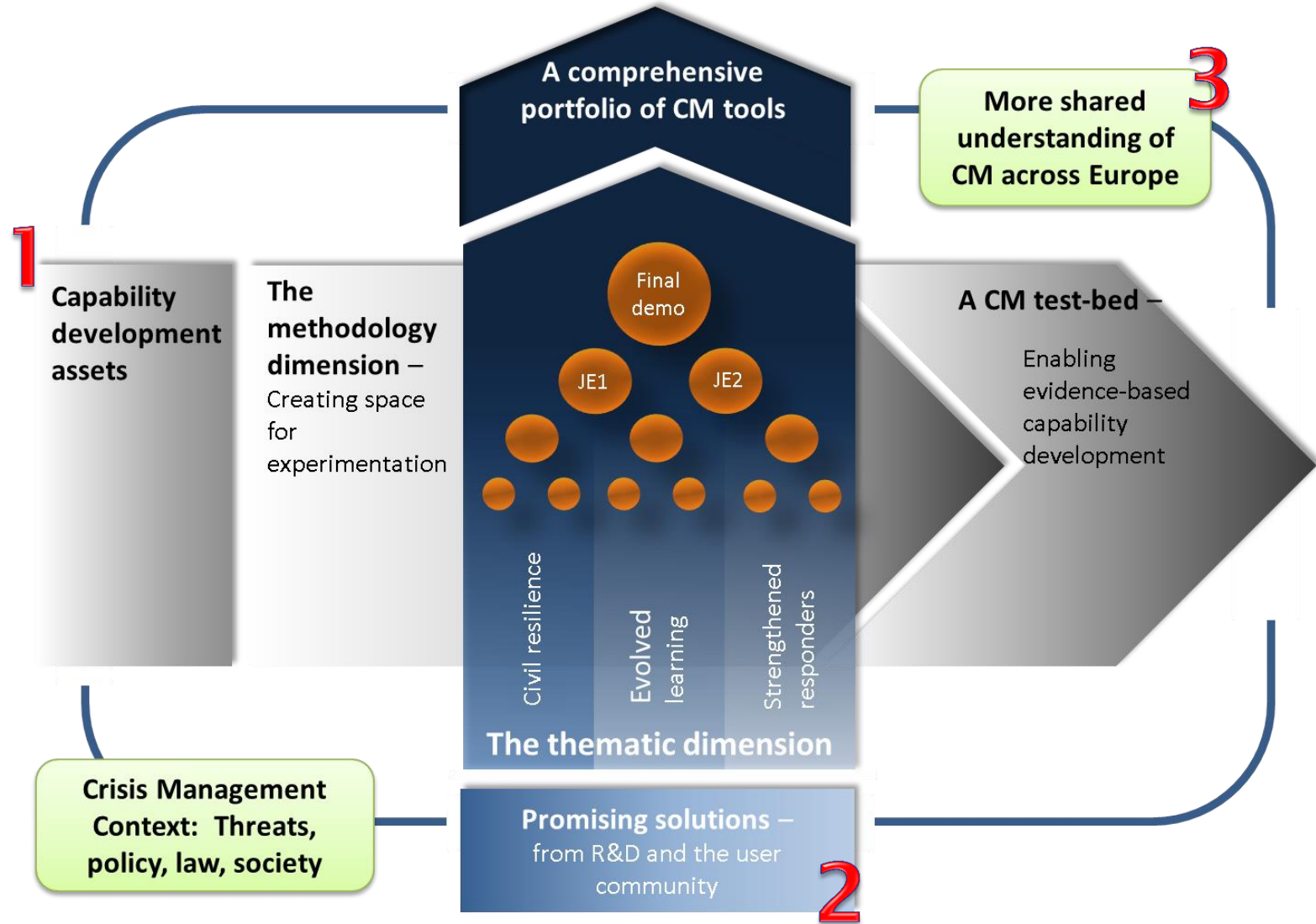
The DRIVER Consortium



Industry	ATOS, Thales, Edisoft, Frequentis, GMV, Ecorys
End-users	Red Cross (AT, DK, UK), MDA, Entente-Valabre, SDIS13 (through Pole Risques), THW, MSB, City of Hague
EU bodies	EU Satellite Centre, JRC
SMEs	ARTTIC, CIES, ITTI, E-Semble, HKV Consultance, Q4 PR, Disaster Waste Recovery
RTOs	Fraunhofer, FOI, TNO, PRIO, DLR, AIT, Armines CRC
Academia	Bulgarian Academy of Sciences, Universität Münster, University Stuttgart
Other	Pole Risques (FR competitiveness cluster on Civil Protection), PSCE, DIN, CITET, EOS

- ▶ **There is no such thing than a one-shot-validation in Crisis Management**
 - Too many possible scenarios, too many scales (local, regional, national, EU, UN level, CiMiC etc.)
- ▶ Iterative testing in different contexts > **series of experiments**
- ▶ Not possible in real operations > **space for experimentation**: test-bed for new solutions coming out of research
- ▶ **To be assessed & validated**: added value; cost/benefit; practical fieldability; interoperability, also wrt legacy systems
- ▶ **Evidence base** for investment decisions
- ▶ Creation of **acceptance for new solutions** among end-users
- ▶ Meetings space for the development of a **common CM culture**

Approach: The three dimensions of DRIVER



Work Breakdown Structure



SP1 Project management

SP2 Test-bed

**SP3
Civilian
resilience**

**SP4
Professional
response**

**SP5
Evolved
Learning**

**SP6 Joint Experiments &
Final demonstration**

SP7 Knowledge platform – Exploitation and dissemination

SP8 - Supporting Analysis: Procedures, Policy & Legislation

SP9 - Societal Impact

S&T and Policy Objectives

- ▶ **Main objective:** (1) to improve EU member States capabilities while (2) strengthening potential for solidarity and (3) contributing to the implementation of the EU Civil Protection Policy in particular Civil Protection mechanism.

- ▶ **Pan-European Test-bed**
 - Physical & virtual components (exercises, crisis labs), virtual connections (SP2)
 - Methodology (SP2)
 - Sustainability (SP7,8)

- ▶ **A tested and validated Portfolio of Crisis Management Tools**
 - Solutions for civil resilience
 - Solutions for professional response
 - Methods for Training and Lessons Learned Processes
 - Organisational, policy & legal tools (SP8)
 - Standards (SP8)
 - Societal aspects/tools (SP9)

- ▶ **A more shared understanding of CM in Europe:** users, providers, researchers, policy makers and citizens (series of experiments: SP3,4,5,6)

How can DRIVER contribute to the Implementation of the EU Civil Protection Policy



- ▶ What a demo project of this size can do (also after the project):

A demo cannot solve political issues, but can (if interpreted correctly) provide evidence for an informed decision

- ▶ to achieve a well-balanced comprehensive **portfolio of CM tools**
 - improve MS's CM capabilities and interoperability while **respecting legacy systems**
- ▶ to build distributed European **test-bed** for CM capability development
 - improve the **interplay of legacy and new tools at bilateral to EU-level**, in different scenarios
 - **Evidence based support:** e.g. pre-planning of available MS assets and policy development (where are the gaps/requirements? EU assets?)
- ▶ to create more **shared understanding** of CM across Europe
 - Development of a common culture (MS/agencies/society)

DRIVER Experimentation plan

- ▶ A progression of **experimentation campaigns** of increasing complexity:
 - Subproject experiment 1 (SE1 in SP3-4-5):
 - does it work? does it help?
 - within WP
 - Subproject experiment 2 (SE2 in SP3-4-5):
 - does it work in combination with legacy/other WPs (within SP)
 - cross WP + legacy
 - Joint experiments (JE1/JE2)
 - conducted in parallel
 - cross SP
 - centred on operational effectiveness. => how does this SP3-4-5 system work in “almost real conditions”?
 - Final Demo
 - cross SP
 - will validate **the DRIVER portfolio of CM tools**

- ▶ **The JE/FD scenarios**
 - JE1: Flooding with follow-on pandemic;
 - JE2: Major ice storm with power & ICT failure;
 - FD: Mediterranean Tsunami with add-on hazards.



Thank you

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